

San Joaquin Valley Unified Air Pollution Control District

PERMIT UNIT: N-1662-12-1

EXPIRATION DATE: 6/30/2001

EQUIPMENT DESCRIPTION:

ONE (1) 971.1 BHP CATERPILLAR TURBOCHARGED AND AFTERCOOLED DIESEL FIRED IC ENGINE (MODEL D349TTA-SCA/SERIAL NO. 61P549) SERVING A 724 KW EMERGENCY ELECTRICAL GENERATOR

Permit Unit Requirements

1. Sulfur compound emissions shall not exceed 0.2% by volume, 200ppmv, on a dry basis averaged over 15 consecutive minutes. [Stanislaus County Rule 407 and District Rule 4801] Federally Enforceable Through Title V Permit
2. Compliance with Stanislaus County Rule 407 and District Rule 4801 may be demonstrated by either using Air Resources Board regulated diesel fuel or by testing the sulfur content of each load of fuel and showing the sulfur content to be less than 3.0% by weight. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.4gr/dscf. [District Rule 4201 and Stanislaus County Rule 404] Federally Enforceable Through Title V Permit
4. If the IC engine is fired on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
5. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine using ASTM method D 2880-71. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
6. Records of operating hours shall be kept for this unit. To be considered an emergency standby engine, the unit must not be operated more than 200 hours per year for non-emergency purposes. The operator shall submit an annual report of operating hours to the District. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. If the unit is used more than 200 hours per year, operator shall perform a source test for particulate emissions within 6 months of the initial Title V permit issuance. A source test for particulate emissions conducted within the 24 months prior to permit issuance shall be considered compliance with this testing requirement. Source testing for particulate matter shall be performed according to EPA Method 5, stack gas velocity by EPA Method 2, and the stack gas moisture content by EPA Method 4. If the initial PM test result is less than or equal to 0.06 grain/dscf, then testing shall occur not less than once every 5 years. Otherwise testing shall occur not less than once every 24 months. [District Rule 2520, 9.4.2 and District Rule 1081] Federally Enforceable Through Title V Permit
8. Compliance with the conditions in the permit unit requirements for this unit shall be deemed compliance with the requirements of Stanislaus County Rules 404 and 407. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

9. Compliance with the conditions in the permit unit requirements for this unit shall be deemed compliance with the requirements of District Rules 4201 and 4801. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

10. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

11. If the unit is operated more than 200 hours per year, the permittee shall inspect the engine exhaust stack weekly for excessive visible emissions. The inspection shall include verifying the engine is performing normal, designed functions and is being operated according to standard procedures, and per the manufacturer's recommendations. If the equipment is not performing according to design and procedures or if excessive visible emissions are observed from the exhaust stack, the permittee shall take corrective action within 24 hours. If excessive visible emission cannot be corrected within 24 hours, EPA Method 9, except for data reduction (section 2.5), shall be conducted to determine compliance with opacity limits. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

12. If the unit is operated more than 200 hours per year, the permittee shall maintain the following records with regards to weekly visible emission/equipment inspections: 1) date and time of inspection, 2) stack or emission point identification, 3) operational status/conditions of the equipment, 4) observed results and conclusions, 5) description of corrective actions taken to resolve any observed excessive visible emissions, 6) date and time excessive visible emissions corrected, 7) date of Method 9 test and results if corrected, and 8) name of person(s) performing the inspection. [District Rule 25 20, 9.4.2] Federally Enforceable Through Title V Permit